

EMERGENCY MEDICINE

PAPER – IV

EM.MED/D/16/52/IV

Time : 3 hours

Max. Marks : 100

Important instructions:

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

Write short notes on:

1. a) List 6 common symptoms and signs of increased intracranial pressure in infants. 3+1+2+4
b) What is an impact seizure?
c) Setting-sun sign.
d) Outline the management of hydrocephalus in infants.
2. a) What are the indications for intraosseous access? 2+3+3+2
b) Different sites available for it and outline its procedure.
c) What are the complications?
d) What drugs can be given through intraosseous route?
3. a) What are the recent clinical trials done on management of hypertensive intracerebral haemorrhage? 3+3+4
b) Discuss briefly anyone of the trials.
c) Latest guidelines for the management of hypertensive intracerebral haemorrhage.
4. a) Mention changes in the 2015 AHA guidelines from 2010 guidelines for CPR in an adult with cardiac arrest. 4+3+3
b) What are H's and T's?
c) What is high quality CPR?
5. A 2 year old child is brought with drooling and noisy breathing. 2+5+3
a) Mention the differential diagnosis.
b) How will you prepare to secure the airway if needed?
c) Drug treatment of this child.
6. a) Name newer anti-epileptic drugs. 3+3+4
b) Dose and advantages of levetiracetam.
c) Give algorithm for management of status epilepticus.

P.T.O.

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7. a) What is targeted temperature management (TTM)? 3+4+3
b) Methods of lowering temperature in the post-Return of spontaneous circulation (ROSC) patient.
c) Mention trials done on TTM.
8. a) Define multiple casualty and mass casualty. 2+5+3
b) How would you develop a hospital disaster plan?
c) Triage during mass casualty.
9. a) Recent definitions for sepsis and septic shock. 2+4+4
b) Role of different vasopressors in septic shock.
c) What are the goals in first 6 hours of its management?
10. a) Define randomized clinical trial. 2+2+(3+3)
b) Compare prospective and retrospective studies.
c) Which common statistical methods are employed for categorical variables? Discuss any one of them.
